D3cipher

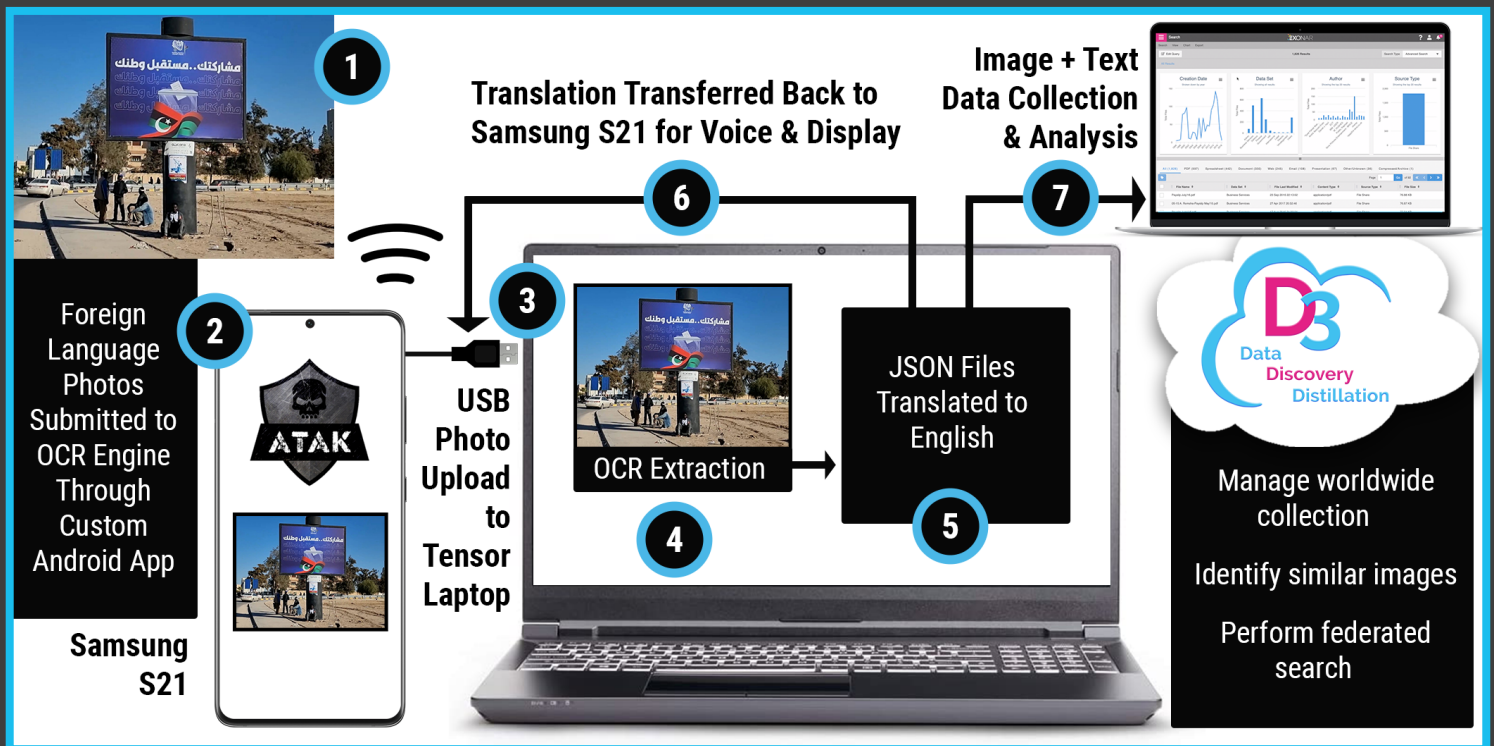## Operator Real-Time OCR and Translation

we make data visible

The D3CIPHER solution supports the hyper-enabled operator with real-time, highly accurate text extraction of content from images of billboards and the local environment, and English translation in the field. Using a mobile device and notebook, D3CIPHER allows an operator to quickly capture and assess details of their DDIL environment with no signal required. When back at base, the images, foreign text, and translation are added to the D3 platform for collection, correlation, and analysis.

KEY FEATURES

> Android or tablet custom application to select images for processing with no signal required

> Highly accurate AI/ML OCR extracts foreign language text and handwriting from images or documents, including poor quality images

> Fast machine language translation service for 41 different languages

> D3 data collection platform ingests images, original text, and translations and indexes all file attributes and content including date captured, GPS information, and EXIF data

> Self-contained, custom ruggedized PDA and tablet form factors available

D3CIPHER CONCEPT OF OPERATIONS

(1) Camera on phone captures image   **(2)** Image(s) submitted to OCR engine through custom application   **(3)** OCR program extracts foreign language text   **(4)** Foreign language text transferred into translator app via API   **(5)** Foreign language text translated to English   **(6)** English text transferred to custom application on cell phone which displays text on screen and/or transfers text to voice   **(7)** Custom application on laptop creates PDF with embedded image with both original language text and English translated text, and transmits to D3 Data Discovery & Distillation platform when back on line

Highly Accurate End-to-End Mobile OCR Translation Solution
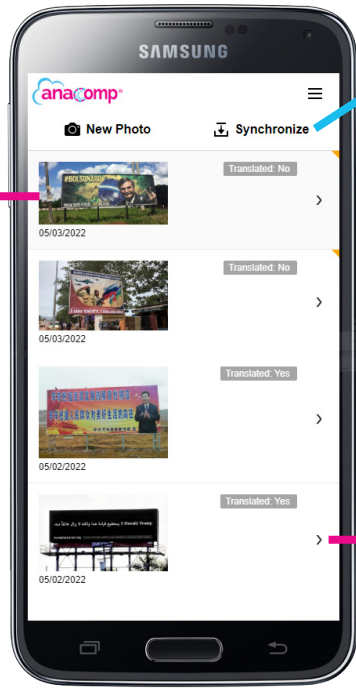## No Signal, No Cloud Required
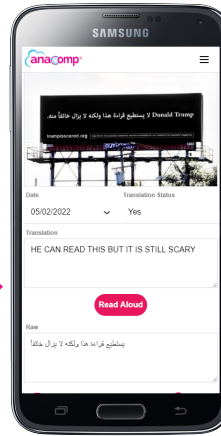
Android Application Operator View

Home Screen

Send photos for processing

Device Camera

Capture of images with text and fast translation on the fly including low-quality, noisy or skewed images.
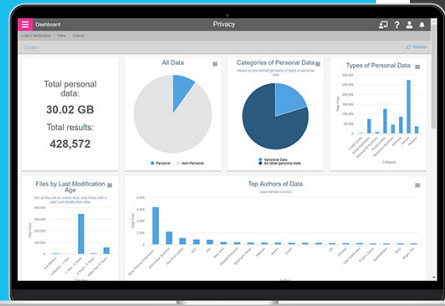
Processed Image

In Development PDA Device

- Android-based
- GPS and NFC equipped
- 1D and 2D scanning
- Bluetooth 5.0 (BLE)
- Available 4G and 5G network connection
- Lithium-Ion Polymer battery – 12-hour battery life
- IP67 rated – designed to MIL Spec 810G, water resistant 30 mins.
- 13 mega pixel front camera
- 16 mega pixel rear camera
- WIFI 2.4G and 5G dual band, 802.11 (a/b/g/n/ac)
- Dimensions 6.3" H x 3" W x .64" D
- Weight 9.5oz
- 5-point capacitive touch screen
- 4GB RAM, 64GB ROM
- 128GB memory card – holds over 4300 pics
- Operating temp -10° C to 50° C (14° F to 122° F)

D3 Analyst View

D3 Data Discovery & Distillation
A comprehensive single pane view of entire data estate with an instantly searchable up-to-date inventory of all unstructured and structured files, including images with text. Monitor with continuous updates, workflows, filters, and alerts.
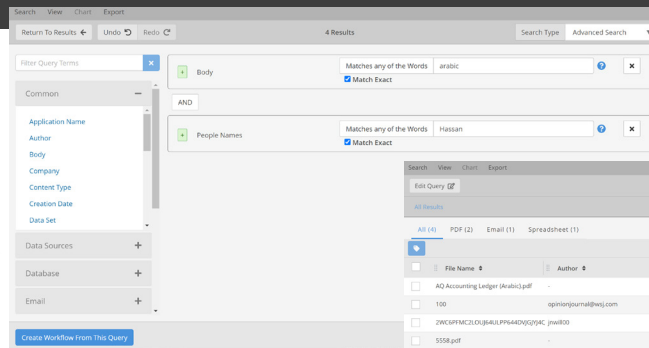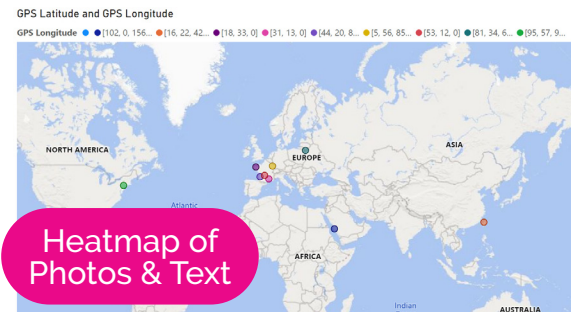
Images and text are ingested into D3 and indexed by all file properties and content.

Original image is stored with all properties including: date captured, path, GPS information, EXIF data, original language text, and English translation.

Queries & Workflows

Find Similar Files

Heatmap of Photos & Text

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